

## NOTATION

The following is a list of the acronyms, initialisms, and abbreviations (including units of measure) used in this document. Some acronyms used in tables and figures only are defined in the respective tables and figures.

### ACRONYMS, INITIALISMS, AND ABBREVIATIONS

ACIS	Access Control and Interface System
ANL-E	Argonne National Laboratory-East
APS	Advanced Photon Source
BDRP	Biological Defense Research Program
BEA	Bureau of Economic Analysis
BioCARS	biological segment of the Consortium for Advanced Radiation Sources
BOD <sub>5</sub>	5-day biological oxygen demand
BSL	Biosafety Level
C-11	carbon-11
CARS	Consortium for Advanced Radiation Sources
CAT	Collaborative Access Team
CDC	Centers for Disease Control and Prevention
CFR	<i>Code of Federal Regulations</i>
CMS	Chemical Management System
CNM	Center for Nanoscale Materials
CO	carbon monoxide
COD	chemical oxygen demand
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
EA	environmental assessment
EPA	U.S. Environmental Protection Agency
ESH	Environment, Safety, and Health (manual)
FTE	full-time equivalent
HEPA	high-efficiency particulate air
IBC	Institutional BioSafety Committee
IDEQ	Idaho Department of Environmental Quality
IEPA	Illinois Environmental Protection Agency
ISM	Integrated Safety Management

LEUTL	Low-Energy Undulator Test Line
LINAC	linear acceleration/accelerator
LLW	low-level radioactive waste
LLWM	low-level mixed [radiological and chemical] waste
LOM	laboratory office module
LWTP	Laboratory Wastewater Treatment Plant
MAD	multiwavelength anomalous diffraction
MCI	maximum credible incident
N-13	nitrogen-13
NAWQC	National Ambient Water Quality Criteria
NCRP	National Council on Radiation Protection and Measurements
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NIH	National Institutes for Health
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRHP	<i>National Register of Historic Places</i>
O-15	oxygen-15
Pb	lead
PEIS	programmatic environmental impact statement
PFS	Plant Facilities and Services Division
PM <sub>10</sub>	particulate matter with an aerodynamic diameter equal to or less than 10 micrometers
PM <sub>2.5</sub>	particulate matter with an aerodynamic diameter equal to or less than 2.5 micrometers
PPE	personal protective clothing
RCRA	Resource Conservation and Recovery Act
SAR	Safety Analysis Review
SARA	Superfund Amendments and Reauthorization Act
SO <sub>2</sub>	sulfur dioxide
SOP	standard operating procedure
SPPP	Stormwater Pollution Prevention Plan
SWMU	solid waste management unit
TRI	Toxic Release Inventory
TRUW	transuranic waste

VOC	volatile organic compound
WMO	Waste Management Operations

## UNITS OF MEASURE

Btu	British thermal unit(s)	m	meter(s)
		m <sup>2</sup>	square meter(s)
°C	degree(s) Celsius	m <sup>3</sup>	cubic meter(s)
Ci	curie(s)	MeV	mega (million) electron volt(s)
cm	centimeter(s)	mg	milligram(s)
		mi	mile(s)
°F	degree(s) Fahrenheit	min	minute(s)
ft	foot (feet)	μg	microgram(s)
ft <sup>2</sup>	square foot (feet)	μm	micrometer(s)
ft <sup>3</sup>	cubic foot (feet)	mL	milliliter(s)
		mm <sup>2</sup>	square millimeter(s)
g	gram(s)	mm <sup>3</sup>	cubic millimeter(s)
gal	gallon(s)	mM	millimole(s)
GeV	giga (billion) electron volt(s)	MMBtu	million British thermal unit(s)
gpm	gallon(s) per minute	mrem	millirem(s)
h	hour(s)	MW	megawatt(s)
ha	hectare(s)		
		nL	nanoliter(s)
in.	inch(es)		
kg	kilogram(s)	ppm	part(s) per million
km	kilometer(s)		
L	liter(s)	scf	standard cubic foot (feet)
lb	pound(s)		
		yr	year(s)